



MATERIAL REPORT

DATE: 11/4/99

TITLE: Evaluations of Parker compound AE153-70 (formerly 12917.)

PURPOSE: General Data

Recommended temperature limits: -40 °F to 325 °F

Recommended For

Ozone

Oxidizing media

Moderate resistance to mineral oils

Not Recommended For

Ketones

Fuels

Brake Fluids



REPORT DATA

	<u>AE153-75 (12917) Test Platen</u>
	<u>Results</u>
<u>Basic Physical Properties</u>	
Hardness	74
Tensile Strength, psi.	2001
Elongation, %	310
Modulus @ 100%, psi.	1073
<u>Heat Aging, 168 H @ 302 °F</u>	
Hardness Change, pts	+15
Tensile Change, %	-13
Elongation Change, %	-12
<u>Fluid Immersion, ASTM #1 Oil, 70 H @ 302 °F</u>	
Hardness Change, pts	-4
Tensile Change, %	-11
Elongation Change, %	-9
Volume Change, %	+3
<u>Fluid Immersion, IRM 903, 70 H @ 302 °F</u>	
Hardness Change, pts	-16
Tensile Change, %	-22
Elongation Change, %	-38
Volume Change, %	+37
<u>Fluid Immersion, Dextron III, 70H @ 302 °F</u>	
Hardness Change, pts	-6
Tensile Change, %	-4
Elongation Change, %	-5
Volume Change, %	+14
<u>Compression Set, 22 H @ 302°F</u>	
Percent of Original Deflection (plied)	14
<u>Compression Set, 70 H @ 302°F</u>	
Percent of Original Deflection (1/2 " buttons)	17
<u>Low Temperature Brittleness</u>	
Nonbrittle after 3 min. @ -40°C	Passed
<u>Tear Strength, Die B</u>	
KN/m	21